

074066-0104

**Amendments to the Specification**

At page 3, please amend the first paragraph of the Detailed Description as follows:

It is one object of the present invention to describe surprisingly effective vitrification solutions. These solutions were all derived by practicing the invention described in U.S. Application No. 09/400,793, now U.S. Patent No. 6,395,467, filed September 21, 1999, "Improved Cryoprotectant Solutions," by G. Fahy and B. Wowk (herein incorporated by reference) or by following these teachings plus the teachings in U.S. Patent Application No. 20020042042, "Hypertonic Reduction of Cooling Injury," by G.M. Fahy, filed July 26, 2001 (herein incorporated by reference). However, the solutions described herein were so extraordinarily effective that their effectiveness was not predictable based on the teachings of these cited patent applications alone. Indeed, these solutions could not have been derived, and their value could not have been appreciated, without the development of another tool which was considered to be impossible at the time it was invented. This tool is the viability-stability diagram.